

PRODUCT: BRODI BRODORSORB**SECTION 01: IDENTIFICATION**

Supplier identifier..... Brodi Specialty Products Ltd.
 3175 14th Avenue, Unit 1
 Markham ON. L3R 0H1
 Canada
 905-475-6084

Product identifier..... Brodi Brosorb
 Product code..... 6404
 Product use..... Oil absorbant.
 Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).

SECTION 02: HAZARD IDENTIFICATION

Hazard classification..... Carcinogenicity - Category 1. Specific Target Organ Toxicity — Repeated Exposure — Category 1 (lungs).

Signal word..... DANGER.

Hazard statement..... H350 May cause cancer by dust inhalation. H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Precautionary statements..... P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/eye protection/face protection. P260 Do not breathe dust. P264 Wash hands, face and skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P308+P313 IF exposed or concerned: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards..... Dust may be irritating to the nose and eyes.

Supplemental Information..... None.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Crystalline silica, quartz	14808-60-7	10-15

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... If dust from the material is inhaled, remove the affected person immediately to fresh air. If symptoms persist, obtain medical attention.

Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

Skin contact..... Brush off loose particles from skin. Wash affected area immediately with water for 15 minutes. Remove contaminated clothing and wash before reuse. If irritation develops, get medical aid.

Eye contact..... Promptly flush with large amounts of cold water for at least 15 minutes. If irritation persists, consult a physician.

Most important symptoms and effects, both acute and delayed..... The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Medical attention and special treatment.... IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved. Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Use an extinguishing agent suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.

Hazardous combustion products..... Carbon monoxide, carbon dioxide, hydrocarbons. Ammonia. Nitrogen oxides (NOx).

PRODUCT: BRODI BRODORSORB**SECTION 05: FIRE-FIGHTING MEASURES**

Special protective equipment and precautions	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Move containers from fire area if this can be done without risk.
Sensitivity to static discharge	Product is not sensitive to static discharge.
Sensitivity to mechanical impact	Product is not sensitive to mechanical impact.
Further information	Apply extinguishing media carefully to avoid creating airborne dust. During fire, gases hazardous to health may be formed.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary and unprotected personnel from entering. Avoid dust formation. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods and materials for containment and cleaning up	Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination. Avoid dry sweeping. Pick up and transfer to properly labeled containers. Dispose of absorbed material in accordance with regulations.

SECTION 07: HANDLING AND STORAGE

Handling precautions	Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
Storage needs	Keep in a dry, cool and well-ventilated place. Keep containers tightly closed when not in use.
Materials to avoid	Keep away from strong acids. Keep away from strong bases. Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Crystalline silica, quartz	0.025 mg/m ³ (respirable fraction)	not available	0.1 mg/m ³ (respirable dust)	not available	0.05 mg/m ³ (respirable dust)	
Engineering controls	Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.					
Individual protection measures						
Eye/type	Safety glasses with side-shields.					
Clothing/type	Wear clean long legged, long sleeved work clothes.					
Gloves/type	Permeation resistant gloves.					
Respiratory/type	Respiratory protection is required when there is a potential for airborne exposures in excess of applicable limits. When required wear NIOSH/MSHA approved respiratory protection.					
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke during work. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	powder.
Color	red.
Odour	pleasant.
Odour threshold	not available.
pH	not applicable.
Melting point (°C)	not available.
Freezing point (°C)	not available.
Initial boiling point (°C)	not available.
Flash point (°C), Method	no data available.
Evaporation rate	not available.
Upper flammability limit (% vol)	not available.
Lower flammability limit (% vol)	not available.

PRODUCT: BRODI BRODORSORB**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Vapour pressure (mm Hg)..... not available.
 Vapour density (air=1)..... not available.
 Relative density/Specific Gravity..... not available.
 Water solubility..... insoluble.
 Solubility in other solvents..... not available.
 Partition coefficient — n-octanol/water..... not available.
 Auto ignition temperature (°C)..... not available.
 Thermal decomposition temperature..... not available.
 Viscosity..... not applicable.

SECTION 10: STABILITY AND REACTIVITY

Reactivity..... No hazardous reactions if stored and handled as prescribed/indicated.
 Chemical stability..... The product is stable if stored and handled as prescribed/indicated.
 Possibility of hazardous reactions..... No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
 Conditions to avoid..... Contact with incompatible materials.
 Incompatible materials..... Acids and bases. Strong oxidizing agents.
 Hazardous decomposition products..... Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon (CO and CO₂), fumes and smoke may be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Crystalline silica, quartz	not available	500 mg/kg (oral-rat)
Routes of exposure		
Inhalation.....	Dust particles may cause irritation of the respiratory tract.	
Ingestion.....	May cause irritation of the stomach.	
Skin contact.....	May cause mechanical irritation (abrasion).	
Eye contact.....	May cause mechanical irritation (abrasion).	
Acute effects		
Acute oral toxicity.....	Virtually nontoxic after a single ingestion.	
Acute dermal toxicity.....	Virtually nontoxic after a single skin contact.	
Acute inhalation toxicity.....	Virtually nontoxic by inhalation.	
Skin corrosion/irritation.....	Result: slight irritation.	
Serious eye damage/eye irritation.....	Dust may cause temporary eye irritation.	
Respiratory or skin sensitisation.....	Non-sensitizing.	
Specific target organ toxicity (STOT) single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.	
Aspiration hazard.....	No aspiration hazard expected.	
Chronic toxicity/effects		
Specific target organ toxicity (STOT) repeated exposure	Quartz and cristobalite: May cause damage to organs (lungs) through prolonged or repeated exposure (inhalation).	
Carcinogenicity.....	In June, 1997, IARC classified crystalline silica (quartz and cristobalite) as a human carcinogen. IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).	
Reproductive toxicity.....	No known significant effects or critical hazards.	
Germ cell mutagenicity.....	No known significant effects or critical hazards.	
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Not expected to be harmful to aquatic organisms.
 Persistence and degradability..... The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
 Bioaccumulative potential..... No data available.
 Mobility in soil..... No data available.
 Other adverse effects..... No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods..... Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

PRODUCT: BRODI BRODORSORB

SECTION 14: TRANSPORT INFORMATION

TDG classification..... Not regulated as a dangerous good.

SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status..... This product is WHMIS 2015 controlled. This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

Canada DSL and NDSL..... All ingredients are listed in the Domestic Substances List (DSL).

SECTION 16: OTHER INFORMATION

Disclaimer..... The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

Prepared by: CanChem Consultant

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